

THE PORT AUTHORITY
OF NY & NJ



ORIGINAL SIGNED & SEALED BY
N.Y. P.E. (OR R.A.)

**Joseph R. Loring
& Associates, Inc.**
consulting engineers
One Pennsylvania Plaza
New York, New York 10008-0045
Tel: (212) 512-7400, Fax: (212) 512-7362

THE OFFICE OF
**DAVID
BLUM
LEONOWITZ
P.C.**
ARCHITECTS - PLANNERS
250 WEST 42ND STREET, NEW YORK, NEW YORK 10018
TEL: (212) 512-7400 FAX: (212) 512-7362

**LESLIE E. ROBERTSON
ASSOCIATES, P.L.L.C.**
CONSULTING STRUCTURAL ENGINEERS
250 WEST 42ND STREET
NEW YORK, NEW YORK 10018
TEL: (212) 512-7400 FAX: (212) 512-7362

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT
COPY OF ONE OF THE CONTRACT DOCUMENTS
SITTING A PART OF CONTRACT NO. **WTC-945.071**
IN THE FORM IN WHICH SAID DOCUMENTS EXISTED AT
THE TIME THE SAID CONTRACT WAS EXECUTED BY
THE PARTIES.
DATE **11/16/97** *Sullivan A. Tolan* SPEC. WTR
DATE **11/16/97** *P.L. Loring* ENGINEER OF DESIGN

No.	Date	Revision	Approved
1	12/12/97	ROUTE 15KV FEEDERS	
2	11/17/97	ISSUED FOR BID	

Engineering Department
Design Divisions

**The
World
Trade
Center**

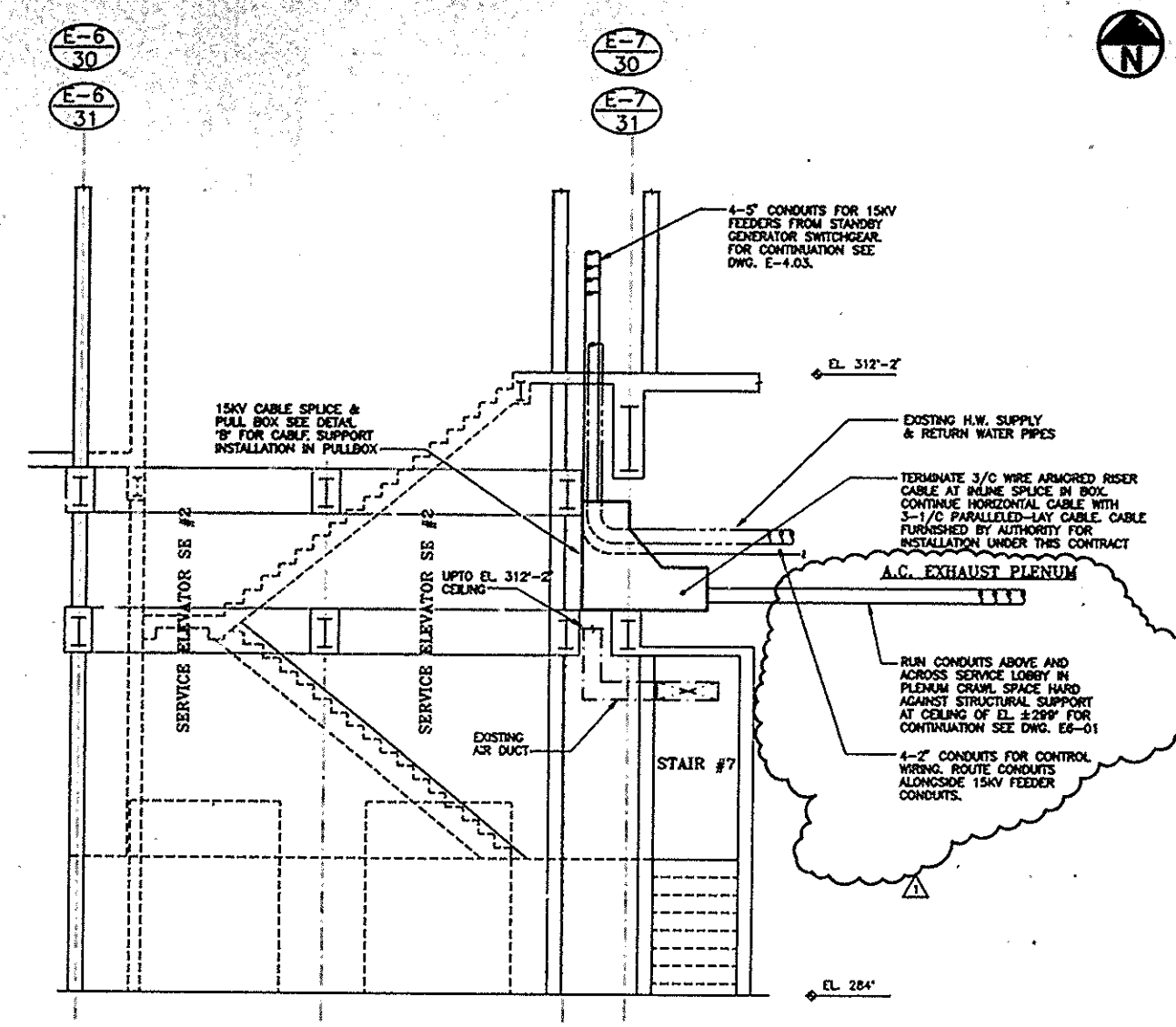
STANDBY POWER
5 WORLD TRADE CENTER

ELECTRICAL

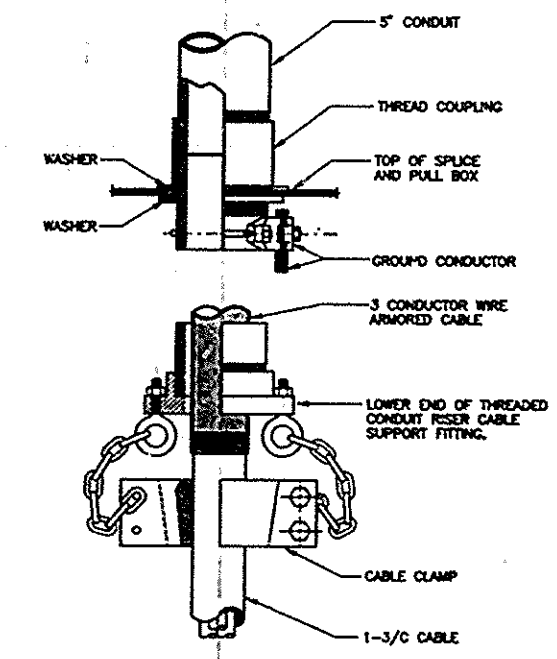
5 WTC PART PLANS
CONDUIT RISER SHAFTS
& DETAILS SHEET 2

This drawing subject to conditions in contract.
All inventions, ideas, designs and methods
herein are reserved to Port Authority and
may not be used without its written consent.

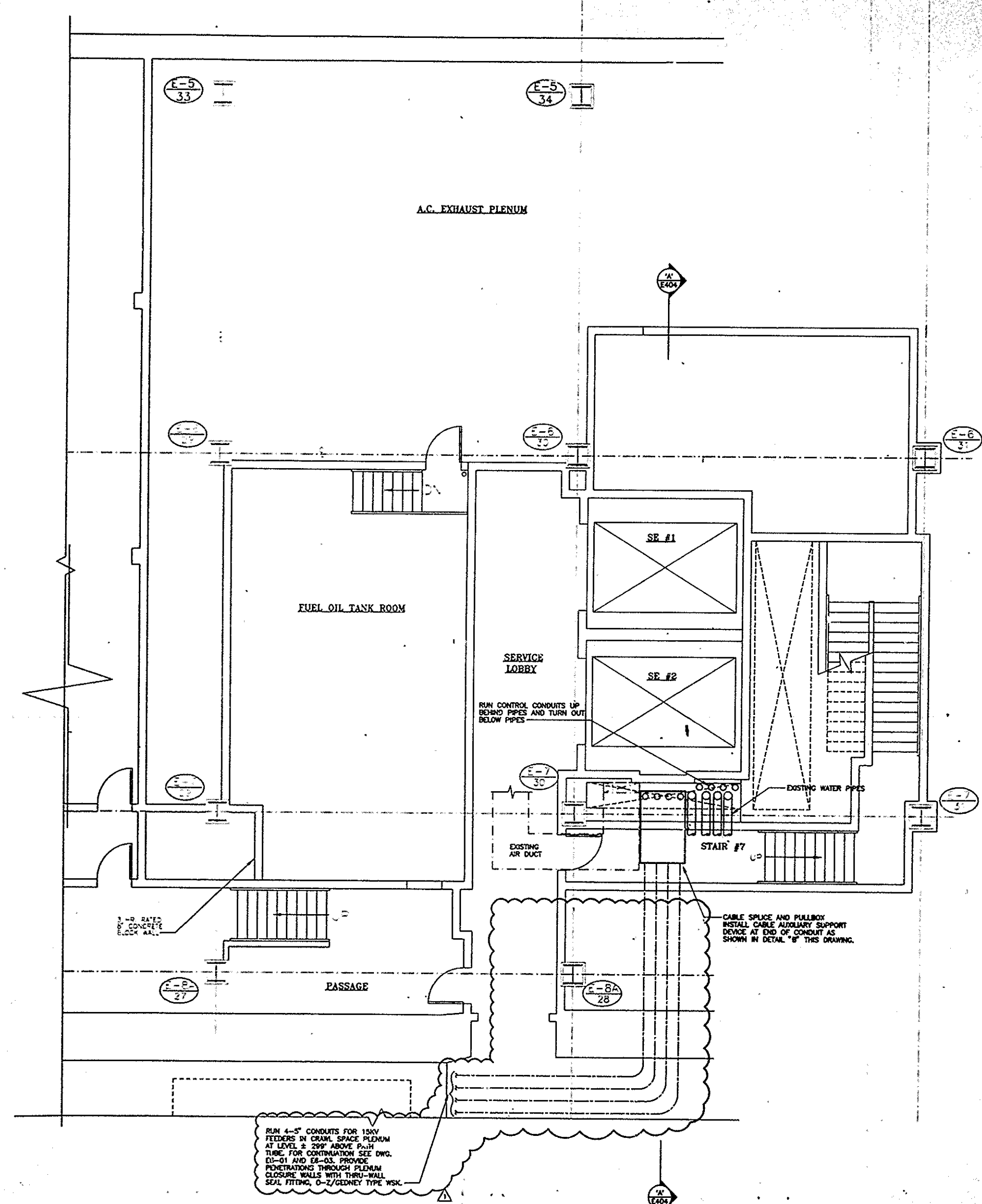
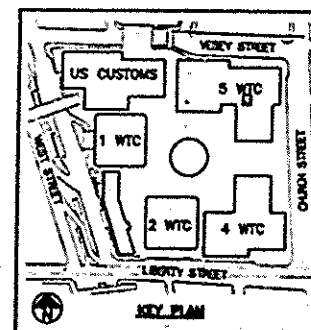
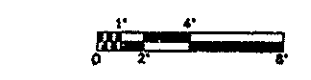
Designed by	Drawn by	Check by
F.P.P.	M.A.R.	
Date	Scale	
11/17/97	AS NOTED	
Contract Number	Drawing Number	
WTC-945.071	E4-03	



SECTION



DETAIL 'B'
TYPICAL INSTALLATION OF
15KV ARMORED CABLE AUXILIARY
SUPPORT IN SPICE AND PULLBOX
NOT TO SCALE



5 WTC B-2 LEVEL PART PLAN